

(d) a first path disposed between said manipulator and said control device; and

(e) a second path disposed between a commercial power source and said

B1  
concl. manipulator,

wherein when a voltage supplied from said commercial power source in said second path is applied to said manipulator, said robot body becomes freely movable without being controlled by said manipulator.

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14  
B2 (Twice Amended) A method of operating an industrial robot having a robot system comprising a robot body; a manipulator to control the operation of said robot body; a control device to control said manipulator; a first path disposed between said manipulator and said control device, and a second path disposed between a commercial power source and said manipulator; said method comprising the steps of:

(a) operating said manipulator by controlling said control device by said first path, thereby controlling the operation of said robot body; and

(b) freely moving said robot body without being controlled by said manipulator by applying a voltage from said commercial power source to said manipulator via said second path when said manipulator is unable to be controlled by said control device via said first path.

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